

TABLE 3 MITIGATION STRATEGIES FOR RISKS IN PAWTUCKET

TYPE OF MITIGATION							IMPLEMENTATION			
What is at risk?	Infrastructure Improvement/ Property Protection	Enhancing Natural Resources	Planning and Management	Regulatory Change	Preparedness to Reduce Losses	Education and Training	Responsible Person/Agency	Financing Options	Cost	Priority
Bell Atlantic Facilities	retrofit for earthquake	N/A	Bell Atlantic management plan	to be determined	generator, communications	N/A	NYNEX	tax credits	unknown	low
Blackstone Valley Electric Substation	maintenance, installation of seawall	N/A	private facility plan	floodplain regulation	flood warning, generator, communication	N/A	BVE CRMC	budget tax credit	unknown	low
City Hall Facilities	retrofit tower for wind, retrofit for flood and earthquake, relocate essential resources to first floor level, floodproof	N/A	local comprehensive plan	changes in building code	flood warning engineering study, generator, evacuation plan	building guidelines	city	budget grants	\$5,000 study	low
Dams (3)	repairs, maintenance	N/A	inspection, planning, maintenance	state law, revision if needed	alarm system for lead time evacuation	establish and practice evacuation routes	private CRMC*	tax credits	unknown	high
	install flood stage markers	N/A	inspection, planning, maintenance	state law, revision if needed	alarm system for lead time evacuation	establish and practice evacuation routes	National Weather Service local fire department	city resources	minimal	high
Filtration Plant	retrofit for earthquake	N/A	local comprehensive plan	changes in building code	communication system	N/A	PWSB	budget	unknown	medium
High Rise Structures (5 total)	repairs, maintenance, retrofit for wind and earthquake	N/A	local policy development	zoning, building code, rebuilding guidelines	evacuation plans	educate residents of risks, permitting and building guidelines	privately owned Pawtucket Housing Authority CRMC	low interest loans, grants, tax credits, land swap	cost would vary	medium
Industrial Areas (especially Mineral Spring culvert)	retrofit building, culvert repairs	N/A	wetland or floodplain restoration	local comprehensive plan, transportation improvement program	flood warning system and forecasting	N/A	private CRMC	tax credit, land swap	unknown	medium
Local Bridges	retrofit for earthquake, elevate low-lying bridges	tree and brush control	transportation improvement project	DOT standards	alternate traffic plans, flood warning and forecasting	demo projects	city/state CRMC	bond issue	unknown	low
Mobile Homes (+250)	improvement, removal, relocation or elevation; floodproof, retrofit for wind/earthquake; better tie-downs	wetlands or floodplain restoration	open space acquisition, local policy development	zoning, building code subdivision regulations, environmental regulations, impact fees, rebuilding guidelines	generators, communication systems, flood warning and forecasting, evacuation plans	signage, pamphlets, permitting and building guidelines	privately owned CRMC	low interest loans, grants, tax credits, land swap	cost would vary	medium
Narragansett bay Commission Treatment Facility	install floodproof seawall	N/A	Facility management plan	floodplain regulation, environmental regulation	flood warning, generator, communication	training of staff for emergency operations	NBC CRMC	budget, grants	unknown	medium
Older Masonry Structures	retrofit structures for earthquake	N/A	identify structures at risk	changes in building codes	financial incentives	training and code review	public, private	budget item, grants, tax credit	various	low
Public and Private Schools	retrofit for earthquake	N/A	local comprehensive plan	changes in building code	generator, communications, evacuation	training in evacuation procedures	city, private	bond issue, city capital improvement plan	unknown	medium
Residential Areas	improvements in sewer backup protection	nonstructural erosion control	local comprehensive plan	local ordinance	insurance, backup valves	media campaign	city, individuals	tax credits private	~\$300 per household	medium
Slater Mill	floodproof	N/A	local policy development	regulation change	engineering study	N/A	private	grants	unknown	medium
Wrecking Yard	gradual removal of yard	wetlands restoration	local comprehensive plan	zoning, environmental regulations	fence in yard	N/A	city, private, DEM	bond issue	\$5 million	high

* CRMC will need to review projects that take place within its jurisdiction if the project is proposing a change to existing conditions or requires a permit.

- Mitigation Types and Examples:
- What is at Risk? Possible projects for mitigation
 - **Infrastructure Improvement/Property Protection:** Repairs, improvements, maintenance, replacement, removal, new construction, relocation or elevation of buildings, floodproof, retrofit for wind/earthquake, land/building acquisition, floodwalls, berms, sewer backup protection
 - **Enhancing Natural Resources:** Dune and beach nourishment, nonstructural erosion control, wetlands or floodplain restoration
 - **Planning and Management:** Open space acquisition, local policy development, local comprehensive plan, harbor plan, CRS program plans
 - **Regulatory Change:** Zoning, building code, subdivision regulations, environmental regulations, impact fees, development moratoria, rebuilding guidelines
 - **Preparedness to Reduce Losses:** Generators, communication systems, wood chipper, flood warning and forecasting, evacuation plans, financial and insurance incentive
 - **Education and Training:** Training of officials, demonstration projects, signage, pamphlets, media campaign, permitting and building guidelines
 - **Financing Options:** Budget item, low interest loans, grants, tax credits, land swap, match
 - **Cost:** Estimated cost of mitigation

